

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1604	inter NEAR electrode NEAR distance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2009/07/27 15:27
L2	291088	cardiac OR heart	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2009/07/27 15:27
L3	10944	percent NEAR change	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2009/07/27 15:27
L4	4	L1 AND L2 AND L3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2009/07/27 15:27
L6	4	((cardiac OR heart) AND (inter NEAR electrode NEAR distance) AND (percent NEAR change))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2009/07/27 15:42
L7	1	((cardiac OR heart) AND (inter NEAR electrode NEAR space) AND (percent NEAR change))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2009/07/27 15:42
L8	7	((cardiac OR heart) AND (inter NEAR electrode NEAR spac\$4) AND (percent\$4 NEAR change))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2009/07/27 15:52
L9	7	((cardiac OR heart) AND (inter NEAR electrode NEAR spac\$4) AND change AND (percent\$4 NEAR change))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2009/07/27 15:52
L12	0	((cardiac OR heart) AND (inter NEAR electrode NEAR spac\$4) AND change AND ((percent\$4 NEAR change) SAME (sensed AND baseline AND potential)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2009/07/27 16:05

S1	13	"4712555".pn. "4788980".pn. "4940052".pn. "4944298".pn. "5178149".pn. "5417715".pn. "5476483".pn. "5738096".pn. "6009349".pn. "6066094".pn. "6077236".pn. "6129744".pn. "6278894".pn.	USPAT	OR	OFF	2007/10/29 10:01
S2	3	"6285898".pn. "6336903".pn. "6421565".pn.	USPAT	OR	OFF	2006/02/26 12:30
S3	0	US2002/0002389 US2002/0087089 US2002/0115939	USPAT	OR	OFF	2006/02/25 13:36
S4	1	US2002/0002389 US2002/0087089 US2002/0115939	US-PGPUB; USPAT	OR	OFF	2006/02/25 13:39
S5	0	US2002/0002389 US2002/0087089 US2002/0115939	US-PGPUB; USPAT	OR	OFF	2006/02/25 13:39
S6	0	US2002/0002389	US-PGPUB; USPAT	OR	OFF	2006/02/25 13:40
S7	1036	US2002 "0002389"	US-PGPUB; USPAT	OR	OFF	2006/02/25 13:40
S8	0	"US2002/0002389"	US-PGPUB; USPAT	OR	OFF	2006/02/25 13:40
S9	415	607/17.ccls.	US-PGPUB; USPAT	OR	OFF	2006/02/25 13:40
S10	426	607/17.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/02/26 14:57
S11	256	cardiac WITH geometry	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/07/19 09:59
S12	135085	sensing WITH (potential OR signal)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/02/25 14:05
S13	78741	S12 AND electrical	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/02/25 14:05
S14	23993	determine WITH parameter	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/02/25 14:05
S15	1	S11 AND S13 AND S14	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/02/25 14:06

S16	25	S11 AND S13	US-PGPUB; USPAT; USCCR; EPO; JPO	OR	OFF	2006/02/25 14:10
S17	14	S16 AND parameter	US-PGPUB; USPAT; USCCR; EPO; JPO	OR	OFF	2006/02/25 14:06
S18	3	S11 AND S14	US-PGPUB; USPAT; USCCR; EPO; JPO	OR	OFF	2006/02/25 14:11
S19	73	S11 AND parameter	US-PGPUB; USPAT; USCCR; EPO; JPO	OR	OFF	2006/02/25 14:11
S20	21	("20020002389"   "20020087089"   "20020115939"   "4712555"   "4788980"   "4940052"   "4944298"   "5178149"   "5417715"   "5476483"   "5480412"   "5549650"   "5738096"   "6009349"   "6066094"   "6077236"   "6129744"   "6278894"   "6285898"   "6336903"   "6421565").PN.	US-PGPUB; USPAT; USCCR	OR	OFF	2006/02/25 14:26
S21	1	"6892091".pn.	USPAT	OR	OFF	2006/02/26 12:30
S22	29	("4649924"   "4911174"   "5265602"   "5297549"   "5311866"   "5331966"   "5385146"   "5391199"   "5450846"   "5487391"   "5546951"   "5553611"   "5582609"   "5595183"   "5662108"   "5676153"   "5718241"   "5738096"   "5836874"   "5848972"   "5897529"   "5913820"   "5938602"   "5938603"   "5964757"   "6104944"   "6171306"   "6272371"   "RE35880").PN.	US-PGPUB; USPAT; USCCR	OR	OFF	2006/02/26 12:30
S23	89	("4304239"   "4444195"   "4522212"   "4573473"   "4628937"   "4649924"   "4699147"   "4777955"   "4899750"   "4922912"   "4940064"   "5000190"   "5025786").PN. OR ("5297549").URPN.	US-PGPUB; USPAT; USCCR	OR	OFF	2006/02/26 12:33

S24	256	cardiac WITH geometry	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/02/26 14:28
S25	84	S24 AND implantable	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/02/26 14:28
S26	1570	cardiac WITH (map OR mapping)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/02/26 14:28
S27	293	S26 AND implantable	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/02/26 14:29
S28	164	S27 AND sense	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/02/26 14:29
S29	230	S27 AND @ad<="20030701"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/02/26 14:29
S30	71	(implantable WITH medical WITH device) AND (cardiac WITH (map OR mapping OR geometry))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/03/05 16:46
S31	1	"5662108".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/26 15:35
S32	1	"6285898".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/26 15:35
S33	1	"6144881".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/26 15:35
S34	1184	(implantable WITH medical WITH device) AND (electrode NEAR (case OR can))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/26 16:14
S35	1105	S34 AND lead	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/26 16:15
S36	359	S35 AND ("right ventricle" AND "left ventricle")	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/26 16:18

S37	24	S36 AND mapping	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/26 16:23
S38	41	S36 AND geometry	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/26 16:23
S39	614	cardiac WITH (refractory NEAR period)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/27 08:39
S41	526	S39 AND (pac\$4 OR stimula\$5 and sens\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/27 08:42
S42	515	S41 AND during	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/27 08:40
S43	444	S42 AND @ad<="20030701"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/27 08:41
S44	155	(pac\$4 OR stimula\$5 and sens\$4) WITH during SAME (cardiac WITH (refractory NEAR period))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/27 11:21
S45	1	WO99/07285.ptpn. WO01/87410.ptpn. WO01/87410.ptpn. WO02/053228.ptpn.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/27 11:22
S46	1	WO99/07285.ptpn. WO01/87410A2.ptpn. WO01/87410A3.ptpn. WO02/053228.ptpn.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/27 11:22
S47	0	WO01/87410.ptpn. WO02/53228.ptpn.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/27 11:26
S48	1	10/612770	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/27 12:55
S49	0	"10612770"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/27 12:55
S50	0	10/612770.app.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/27 12:56

S51	269	kroll-mark-w.in.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/27 13:01
S52	14	kroll-mark-w.in. AND geometry	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/27 13:14
S53	1	"6738669".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/27 13:14
S54	77	cardiac NEAR geometry	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/18 11:05
S55	61	cardiac NEAR geometry	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/07/19 10:00
S56	21	("20020002389"   "20020087089"   "20020115939"   "4712555"   "4788980"   "4940052"   "4944298"   "5178149"   "5417715"   "5476483"   "5480412"   "5549650"   "5738096"   "6009349"   "6066094"   "6077236"   "6129744"   "6278894"   "6285898"   "6336903"   "6421565").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/19 12:58
S57	3	("5480412"   "5549650"   "6009349").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/19 13:36
S58	0	S57 AND (geometry OR geometric)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/19 13:00
S59	110	geometric NEAR mapping	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/19 13:37
S60	0	S59 AND cardiac	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/19 13:37
S61	5	S59 AND heart	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/19 13:38
S62	23	S55 AND sensing	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/19 13:46

S63	12	S62 AND deliver	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/19 13:56
S64	1	"7003348".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/19 13:56
S65	21	("20020002389"   "20020087089"   "20020115939"   "4712555"   "4788980"   "4940052"   "4944298"   "5178149"   "5417715"   "5476483"   "5480412"   "5549650"   "5738096"   "6009349"   "6066094"   "6077236"   "6129744"   "6278894"   "6285898"   "6336903"   "6421565").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/19 13:56
S66	21	("20020002389"   "20020087089"   "20020115939"   "4712555"   "4788980"   "4940052"   "4944298"   "5178149"   "5417715"   "5476483"   "5480412"   "5549650"   "5738096"   "6009349"   "6066094"   "6077236"   "6129744"   "6278894"   "6285898"   "6336903"   "6421565").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/19 14:15
S67	21	("20020002389"   "20020087089"   "20020115939"   "4712555"   "4788980"   "4940052"   "4944298"   "5178149"   "5417715"   "5476483"   "5480412"   "5549650"   "5738096"   "6009349"   "6066094"   "6077236"   "6129744"   "6278894"   "6285898"   "6336903"   "6421565").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/19 14:17
S68	2	("6070100"   "6278894").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/19 14:18
S69	2	("5154171"   "6278894").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/19 14:21
S70	2	("6405087"   "6473648").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/19 16:14
S71	1	"6738669".PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/19 17:20

S72	92564	(cardiac OR myocardial)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/19 17:21
S73	561	tissue NEAR displacement	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/19 17:21
S74	179	S72 AND S73	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/19 17:21
S75	1	"5662108".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/20 10:52
S76	182	cardiac NEAR dimension	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/20 10:52
S77	1	change WITH S76	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/20 10:52
S78	0	sense WITH S76	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/20 10:52
S79	0	sensing WITH S76	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/20 10:52
S80	83	cardiac NEAR geometry	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/12/13 09:20
S81	21	("20020002389"   "20020087089"   "20020115939"   "4712555"   "4788980"   "4940052"   "4944298"   "5178149"   "5417715"   "5476483"   "5480412"   "5549650"   "5738096"   "6009349"   "6066094"   "6077236"   "6129744"   "6278894"   "6285898"   "6336903"   "6421565").PN. OR ("7003348").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/13 09:58
S82	83	cardiac NEAR geometry	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/12/13 09:58
S83	0	"L21" AND S82	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/13 09:58

S84	21	("20020002389"   "20020087089"   "20020115939"   "4712555"   "4788980"   "4940052"   "4944298"   "5178149"   "5417715"   "5476483"   "5480412"   "5549650"   "5738096"   "6009349"   "6066094"   "6077236"   "6129744"   "6278894"   "6285898"   "6336903"   "6421565").PN. OR ("7003348").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/13 09:59
S85	0	S81 AND S82	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/13 10:39
S86	1	"6285898".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/13 10:39
S87	49	("4921482"   "5195968"   "5211165"   "5222501"   "5285788"   "5368564"   "5368592"   "5373849"   "5383923"   "5391199"   "5403356"   "5404297"   "5431168"   "5433198"   "5443489"   "5450846"   "5465717"   "5471982"   "5487391"   "5555883"   "5577502"   "5588432"   "5592939"   "5601084"   "5738096"   "Re31097").PN. OR ("6285898").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/13 10:39
S88	5	("5573012"   "6272371"   "6285898"   "6298269"   "6299583").PN. OR ("6976967").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/13 11:12
S89	1033	sens\$4 AND (stimulat\$4 OR deliver\$4) AND (during WITH (refractory NEAR period))	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/13 11:24
S90	862	S89 AND pacemaker	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/13 11:24
S91	443	(sens\$4 AND (stimulat\$4 OR deliver\$4)) SAME (during WITH (refractory NEAR period))	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/13 11.24
S92	410	S91 AND pacemaker	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/13 11.25

S93	1025	(implantable WITH medical WITH device) AND (unipolar AND (ring NEAR electrode))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/12/14 12:03
S94	491	(implantable WITH medical WITH device) AND (unipolar AND (ring NEAR electrode))	USPAT	OR	ON	2006/12/14 12:04
S95	445	(implantable WITH medical WITH device) AND (unipolar AND (ring NEAR electrode)) AND stimulat\$4	USPAT	OR	ON	2006/12/14 12:11
S96	3	((pac\$3 OR stimulat\$4) AND sens\$4) NEAR during NEAR (refractory NEAR period)	USPAT	OR	ON	2006/12/14 12:22
S97	21	(pac\$3 OR stimulat\$4) NEAR during NEAR (refractory NEAR period)	USPAT	OR	ON	2006/12/14 12:25
S98	82	extend\$4 NEAR (refractory NEAR period)	USPAT	OR	ON	2006/12/14 12:25
S99	1	"6892091".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/03/05 15:08
S100	86	(cardiac NEAR geometry)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/03/05 15:14
S101	5	(cardiac NEAR geometry). clm.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/03/05 15:12
S102	1	kroll-mark-w.in. AND S100	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/03/05 15:12
S103	0	kroll-mark.in. AND S100	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/03/05 15:12
S104	1	kroll.in. AND S100	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/03/05 15:13
S105	1	brewer.in. AND S100	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/03/05 15:13

S106	21	("20020002389"   "20020087089"   "20020115939"   "4712555"   "4788980"   "4940052"   "4944298"   "5178149"   "5417715"   "5476483"   "5480412"   "5549650"   "5738096"   "6009349"   "6066094"   "6077236"   "6129744"   "6278894"   "6285898"   "6336903"   "6421565").PN, OR ("7003348").URPN.	US-PGPUB; USPAT; USCCR	OR	OFF	2007/03/05 15:48
S107	90	(implantable WITH medical WITH device) AND (cardiac WITH (map OR mapping OR geometry))	US-PGPUB; USPAT; USCCR; EPO, JPO	OR	ON	2007/03/05 16:48
S108	35	(US-20020002389-\$ or US-20030144702-\$ or US-20020087089-\$ or US-20030149453-\$).did. or (US-6278894-\$ or US-6421565-\$ or US-6336903-\$ or US-5311866-\$ or US-5297549-\$ or US-6892091-\$ or US-5595183-\$ or US-6983179-\$ or US-5848972-\$ or US-6233486-\$ or US-6775571-\$ or US-7003348-\$ or US-6603996-\$ or US-6976967-\$ or US-6625493-\$ or US-6915149-\$ or US-5480441-\$ or US-5476483-\$ or US-5738096-\$ or US-6077236-\$ or US-6129744-\$ or US-6584345-\$ or US-5466245-\$ or US-5755740-\$ or US-5800467-\$ or US-5722996-\$).did. or (US-6647617-\$ or US-5305745-\$ or US-5487752-\$ or US-6522924-\$ or US-4899750-\$).did.	US-PGPUB; USPAT	OR	OFF	2007/03/06 15:46
S109	6641	heart WITH shape	US-PGPUB; USPAT	OR	OFF	2007/03/06 15:47
S110	911	heart WITH geometry	US-PGPUB; USPAT	OR	OFF	2007/03/06 15:47
S111	805	S110 AND position	US-PGPUB; USPAT	OR	OFF	2007/03/06 15:53
S112	69	cardiac NEAR geometry	US-PGPUB; USPAT	OR	OFF	2007/03/06 16:26
S113	304	heart NEAR geometry	US-PGPUB; USPAT	OR	OFF	2007/03/06 15:54
S114	0	"20030204212".pn.	USPAT	OR	OFF	2007/03/25 12:58

S115	1	"20030204212".pn.	US-PGPUB; USPAT	OR	OFF	2007/03/25 12:58
S116	1	"20030204212"	US-PGPUB; USPAT	OR	OFF	2007/03/28 09:34
S117	257	(far NEAR field NEAR sensing)	US-PGPUB; USPAT	OR	OFF	2007/03/28 09:07
S118	168	S117 AND (right AND left AND contract\$4)	US-PGPUB; USPAT	OR	OFF	2007/03/28 09:08
S119	62	S118 AND (volume OR diameter)	US-PGPUB; USPAT	OR	OFF	2007/03/28 09:08
S120	1	"20030204212" AND impedance	US-PGPUB; USPAT	OR	OFF	2007/03/28 10:44
S121	1	"6496730".pn.	US-PGPUB; USPAT	OR	OFF	2007/03/28 10:48
S122	1	"4173230".pn.	US-PGPUB; USPAT	OR	OFF	2007/03/28 10:48
S123	0	"20030204121".pn.	USPAT	OR	OFF	2007/08/22 13:55
S124	1	"20030204121".pn.	US-PGPUB; USPAT	OR	OFF	2007/08/22 13:55
S125	0	"200302042121".pn.	US-PGPUB; USPAT	OR	OFF	2007/08/22 13:55
S126	1	"20030204212".pn.	US-PGPUB; USPAT	OR	OFF	2007/08/22 13:55
S127	1	"6445952".pn.	USPAT	OR	OFF	2007/08/22 14:24
S128	1	"6445952".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/08/22 15:18
S129	51	("4140131"   "4245643"   "4257423"   "4374382"   "4428378"   "4549548"   "4556063"   "4606349"   "4821723"   "4889750"   "4969460"   "5003975"   "5052388"   "5127404"   "5131388"   "5137021"   "5144949"   "5156149"   "5158078"   "5184614"   "5201808"   "5201865"   "5222493"   "5312453"   "5314430"   "5350410"   "5354316"   "5411533"   "5431692"   "5476487"   "5480414"   "5507782"   "5534018"   "5545186"   "5549646"   "5549652"   "5557210"   "5601615"   "5607455"   "5683431"   "5697956"   "5702427"	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/22 14:24

		"5713933"   "5718720"   "5766229"   "5861012"   "6195584"   "6317633").PN. OR ("6445952").URPN.				
S130	1	"6195584".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/08/22 15:19
S131	51215	lead SAME (displacement OR dislodgment)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/08/22 18:16
S132	1732	volume AND distance AND diameter AND congestive	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/08/22 15:20
S133	77	S131 AND S132	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/08/22 15:47
S134	1	"20030204212".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/08/22 15:47
S135	1105	S131 AND cardiac	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/08/22 15:48
S136	186	S135 AND (congestive NEAR heart NEAR failure)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/08/22 15:48
S137	164	S136 AND volume	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/08/22 15:55
S138	911	ventricular NEAR volume	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/08/22 15:55

S139	48	S131 AND S138	US-PGPUB; USPAT; USCOR; FPRS; EPO; JPO	OR	ON	2007/08/22 15:56
S140	15468	lead WITH (displacement OR dislodgment)	US-PGPUB; USPAT; USCOR; FPRS; EPO; JPO	OR	ON	2007/08/22 18:19
S141	577	S140 AND cardiac	US-PGPUB; USPAT; USCOR; FPRS; EPO; JPO	OR	ON	2007/08/22 18:19
S142	911	ventricular NEAR volume	US-PGPUB; USPAT; USCOR; FPRS; EPO; JPO	OR	ON	2007/08/22 18:17
S143	16	S142 AND S141	US-PGPUB; USPAT; USCOR; FPRS; EPO; JPO	OR	ON	2007/08/22 18:20
S144	1	"20030204212".pn.	US-PGPUB; USPAT; USCOR; FPRS; EPO; JPO	OR	ON	2007/08/22 18:19
S145	52157	lead WITH (movement)	US-PGPUB; USPAT; USCOR; FPRS; EPO; JPO	OR	ON	2007/08/22 18:19
S146	1556	S145 AND cardiac	US-PGPUB; USPAT; USCOR; FPRS; EPO; JPO	OR	ON	2007/08/22 18:19
S147	29	S142 AND S146	US-PGPUB; USPAT; USCOR; FPRS; EPO; JPO	OR	ON	2007/08/22 18:20
S148	2206	lead NEAR (displacement OR dislodgement)	US-PGPUB; USPAT; USCOR; FPRS; EPO; JPO	OR	ON	2007/08/25 14:01

S149	1	ventricular NEAR volumne	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/08/25 14:01
S150	0	S148 WITH S149	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/08/25 13:58
S151	0	S148 SAME S149	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/08/25 13:58
S152	0	S148 AND S149	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/08/25 13:59
S153	2178026	volume	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/08/25 14:00
S154	26	S148 WITH S153	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/08/25 14:00
S155	1923	electrode NEAR (displacement OR dislodgement)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/08/25 14:06
S156	912	ventricular NEAR volume	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/08/25 14:02
S157	0	S148 WITH S156	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/08/25 14:02
S158	0	S148 SAME S156	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/08/25 14:02

S159	0	S148 AND S156	US-PGPUB; USPAT; USCGR; FPRS; EPO; JPO	OR	ON	2007/08/25 14:02
S160	0	S155 WITH S156	US-PGPUB; USPAT; USCGR; FPRS; EPO; JPO	OR	ON	2007/08/25 14:02
S161	0	S155 SAME S156	US-PGPUB; USPAT; USCGR; FPRS; EPO; JPO	OR	ON	2007/08/25 14:02
S162	2	S155 AND S156	US-PGPUB; USPAT; USCGR; FPRS; EPO; JPO	OR	ON	2007/08/25 14:02
S163	17629	congestive NEAR heart NEAR failure	US-PGPUB; USPAT; USCGR; FPRS; EPO; JPO	OR	ON	2007/08/25 14:06
S164	0	S148 WITH S163	US-PGPUB; USPAT; USCGR; FPRS; EPO; JPO	OR	ON	2007/08/25 14:06
S165	0	S148 SAME S163	US-PGPUB; USPAT; USCGR; FPRS; EPO; JPO	OR	ON	2007/08/25 14:06
S166	21	S148 AND S163	US-PGPUB; USPAT; USCGR; FPRS; EPO; JPO	OR	ON	2007/08/25 14:06
S167	146	lead NEAR dislodgement	US-PGPUB; USPAT; USCGR; FPRS; EPO; JPO	OR	ON	2007/10/29 11:04
S168	2105	lead NEAR displacement	US-PGPUB; USPAT; USCGR; FPRS; EPO; JPO	OR	ON	2007/10/29 11:04

S169	1278953	electrode	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/10/29 11:04
S170	2265988	sens\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/10/29 11:04
S171	159	S168 AND S169 AND S170	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/10/29 11:05
S172	2229	(inter NEAR electrode) NEAR (distance OR spacing)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2008/09/16 09:36
S173	143912	first NEAR electrode	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2008/09/16 09:36
S174	150442	second NEAR electrode	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2008/09/16 09:36
S175	494	S172 AND S173 AND S174	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2008/09/16 09:42
S176	96512	first NEAR chamber	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2008/09/16 09:42
S177	101445	second NEAR chamber	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2008/09/16 09:42
S178	10	S175 AND S176 AND S177	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2008/09/16 09:43

S179	106768	cardiac	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2008/09/16 09:44
S180	75	S175 AND S179	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2008/09/16 09:44
S181	72	brewer-james-e.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2008/09/16 10:15
S182	0	S172 AND S181	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2008/09/16 10:24
S183	874092	displacement	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2008/09/16 10:24
S184	332	S172 AND S183	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2008/09/16 10:24
S185	8	S181 AND S183	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2008/09/16 10:24
S186	358	kroll-mark-w.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2008/09/16 10:28
S187	35	S183 AND S186	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2008/09/16 10:28
S188	84124	lead SAME displace\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2008/09/16 10:32

S189	143	S173 AND S174 AND S179 AND S188	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2008/09/16 10:32
S190	1	"6067469".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2008/09/16 10:57
S191	5	("5713932"   "5910120").PN. OR ("6067469").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/16 10:57
S192	52	("4248238"   "4316472"   "4577633"   "4860749"   "4953551"   "5117824"   "5163427"   "5188105"   "5201865"   "5330508"   "5342402"   "5383910"   "5558098").PN. OR ("5713932").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/16 12:38
S193	29543	(distance OR space OR length) NEAR between NEAR (electrode OR lead)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2008/09/16 13:19
S194	106768	cardiac	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2008/09/16 13:19
S195	991	S193 AND S194	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2008/09/16 13:19
S196	3383708	movement OR displacement OR dislodgement	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2008/09/16 13:19
S197	658	S195 AND S196	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2008/09/16 13:19
S198	96512	first NEAR chamber	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2008/09/16 13:20

S199	101445	second NEAR chamber	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2008/09/16 13:20
S200	7	S197 AND S198 AND S199	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2008/09/16 13:20
S201	666	607/27.cols.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2008/09/16 13:25
S202	13458	inter-electrode OR intereselectrode	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2008/09/16 15:12
S203	666	607/27.cols.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2008/09/16 15:12
S204	7	S203 AND S202	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2008/09/16 15:12
S205	35287	electrode NEAR (distance OR length OR spacing)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2008/09/16 16:17
S206	2443	implantable NEAR lead	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2008/09/16 16:18
S207	277	S205 AND S206	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2008/09/16 16:18
S208	2410	conduction NEAR velocity	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2008/09/16 16:18

S209	16	S207 AND S208	US-PGPUB; USPAT; USCCR; FPRS; EPO; JPO	OR	ON	2008/09/16 16:18
S210	2981978	movement	US-PGPUB; USPAT; USCCR; FPRS; EPO; JPO	OR	ON	2008/09/16 16:22
S211	138	S207 AND S210	US-PGPUB; USPAT; USCCR; FPRS; EPO; JPO	OR	ON	2008/09/16 16:23
S212	42	(US-20020002389-\$ or US-20030144702-\$ or US-20020087089-\$ or US-20030149453-\$ or US-20020161295-\$ or US-20050004611-\$).did. or (US-6603996-\$ or US-5738096-\$ or US-5848972-\$ or US-6647617-\$ or US-6278894-\$ or US-6522924-\$ or US-6336903-\$ or US-6625493-\$ or US-6129744-\$ or US-5800467-\$ or US-5755740-\$ or US-5311866-\$ or US-6233486-\$ or US-6983179-\$ or US-6584345-\$ or US-6915149-\$ or US-5466245-\$ or US-5487752-\$ or US-4899750-\$ or US-5476483-\$ or US-6421565-\$ or US-7003348-\$ or US-5297549-\$ or US-6077236-\$ or US-5480441-\$ or US-5722996-\$). did. or (US-6976967-\$ or US-6775571-\$ or US-5595183-\$ or US-5305745-\$ or US-6892091-\$ or US-6195584-\$ or US-6807439-\$ or US-7369894-\$ or US-5991662-\$ or US-6212434-\$).did.	US-PGPUB; USPAT	OR	OFF	2008/09/27 12:39
S213	1	"6738669".pn.	US-PGPUB; USPAT	OR	OFF	2008/09/27 12:42
S214	1	"20030204212".pn.	US-PGPUB; USPAT; USCCR; FPRS; EPO; JPO	OR	ON	2008/09/28 16:12

**EAST Search History (Interference)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L5	54299	"L1" AND "L2" AND "L3"	US-PGPUB; USPAT; UPAD	OR	ON	2009/07/27 15:41
L10	8	((cardiac OR heart) AND (inter NEAR electrode NEAR spac \$4) AND change AND ((percent\$4 NEAR change)))	US-PGPUB; USPAT; UPAD	OR	ON	2009/07/27 15:53
L11	0	((cardiac OR heart) AND (inter NEAR electrode NEAR spac \$4) AND change AND ((percent\$4 NEAR change) SAME (sensed AND baseline AND potential)))	US-PGPUB; USPAT; UPAD	OR	ON	2009/07/27 16:05

7/27/2009 4:12:53 PM

C:\Documents and Settings\bgedeon\My Documents\Searches\10612770.wsp